

WHAT IS CLAIMED IS:

1. An image sensing apparatus comprising:

a solid-state image sensing device to convert light from an object into an image signal;

a shutter, provided between the object and the solid-state image sensing device, to expose the solid-state image sensing device to the light for a first exposure period and a second exposure period that directly follows the first exposure period, the first and the second periods being the same length in time, each exposure period for exposing the solid-state image sensing device to the light corresponding to one frame or one field of the object;

a shift mechanism, to shift a passage of the light that has passed the shutter and incident to the solid-state image sensing device in a predetermined direction with respect to the solid-state image sensing device at least in the second exposure period; and

a processor to combine image signals converted for the first and the second exposure periods to generate a composite image signal.

2. The apparatus according to claim 1, wherein the shift mechanism shifts the passage of light for a period from a moment in the first exposure period to another moment in the second exposure period.

3. The apparatus according to claim 1, wherein the shift mechanism includes an optical low-pass filter that rotates between two predetermined positions to shift the passage of light in the predetermined direction.

4. A method of image sensing using a solid-state image sensing device for converting light from an object into an image signal, the method comprising the steps of:

exposing the solid-state image sensing device to the light

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for a first exposure period and a second exposure period that directly follows the first exposure period, the first and the second periods being the same length in time, each exposure period for exposing the solid-state image sensing device to the light corresponding to one frame or one field of the object;

shifting a passage of the light incident to the solid-state image sensing device in a predetermined direction with respect to the solid-state image sensing device at least in the second exposure period; and

combining image signals converted for the first and the second exposure periods to generate a composite image signal.

5. The method according to claim 4, wherein the shifting step includes the step of shifting the passage of light for a period from a moment in the first exposure period to another moment in the second exposure period.

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